

001730" 89E6560

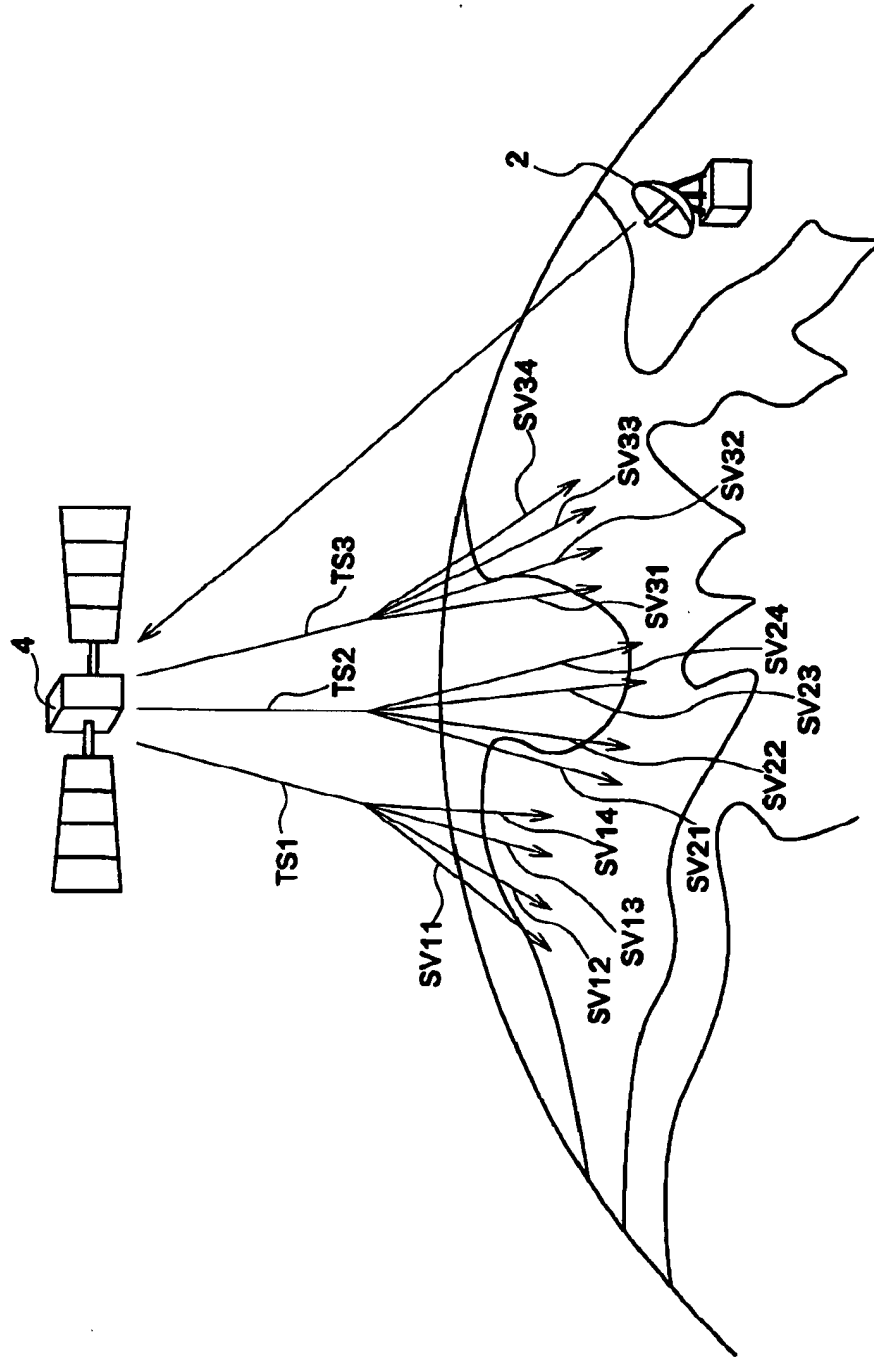
FIG.1**TRANSMISSION OF RADIO WAVES
IN SATELLITE BROADCAST**

FIG.2

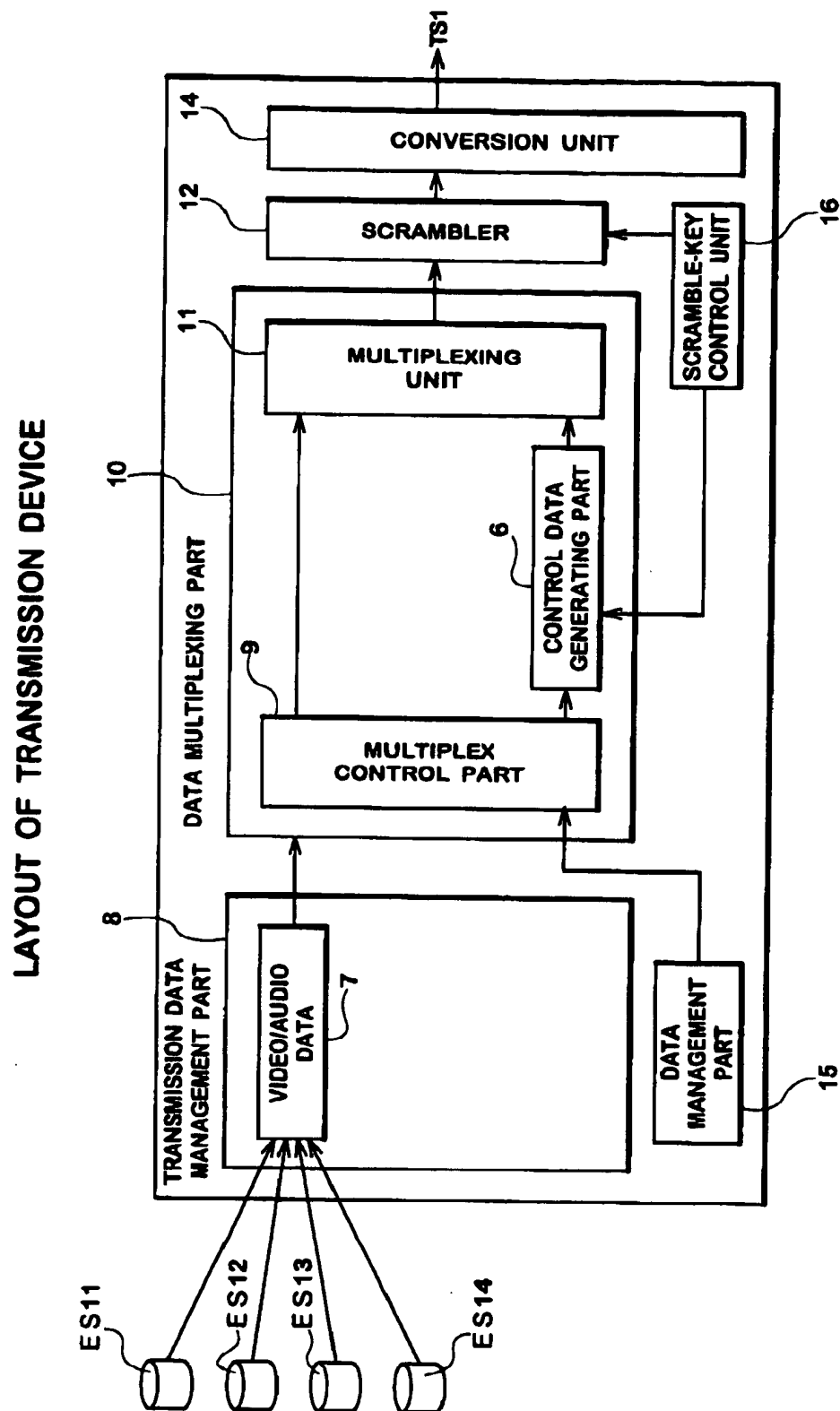
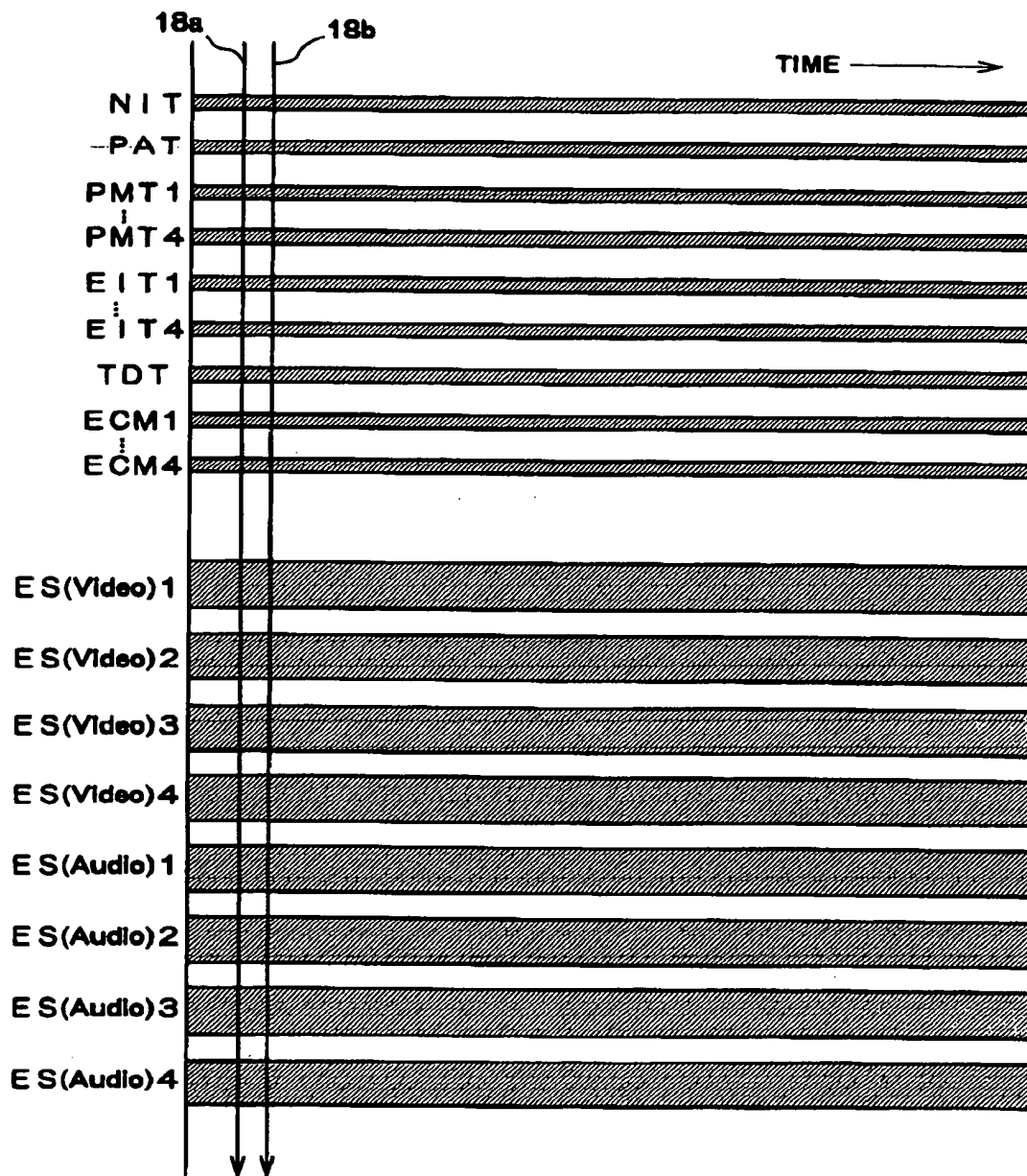


FIG.3

DATA PACKETIZATION



004790-0926560

FIG.4

STRUCTURE OF PACKETIZED DATA



004730-89E26560

FIG. 5

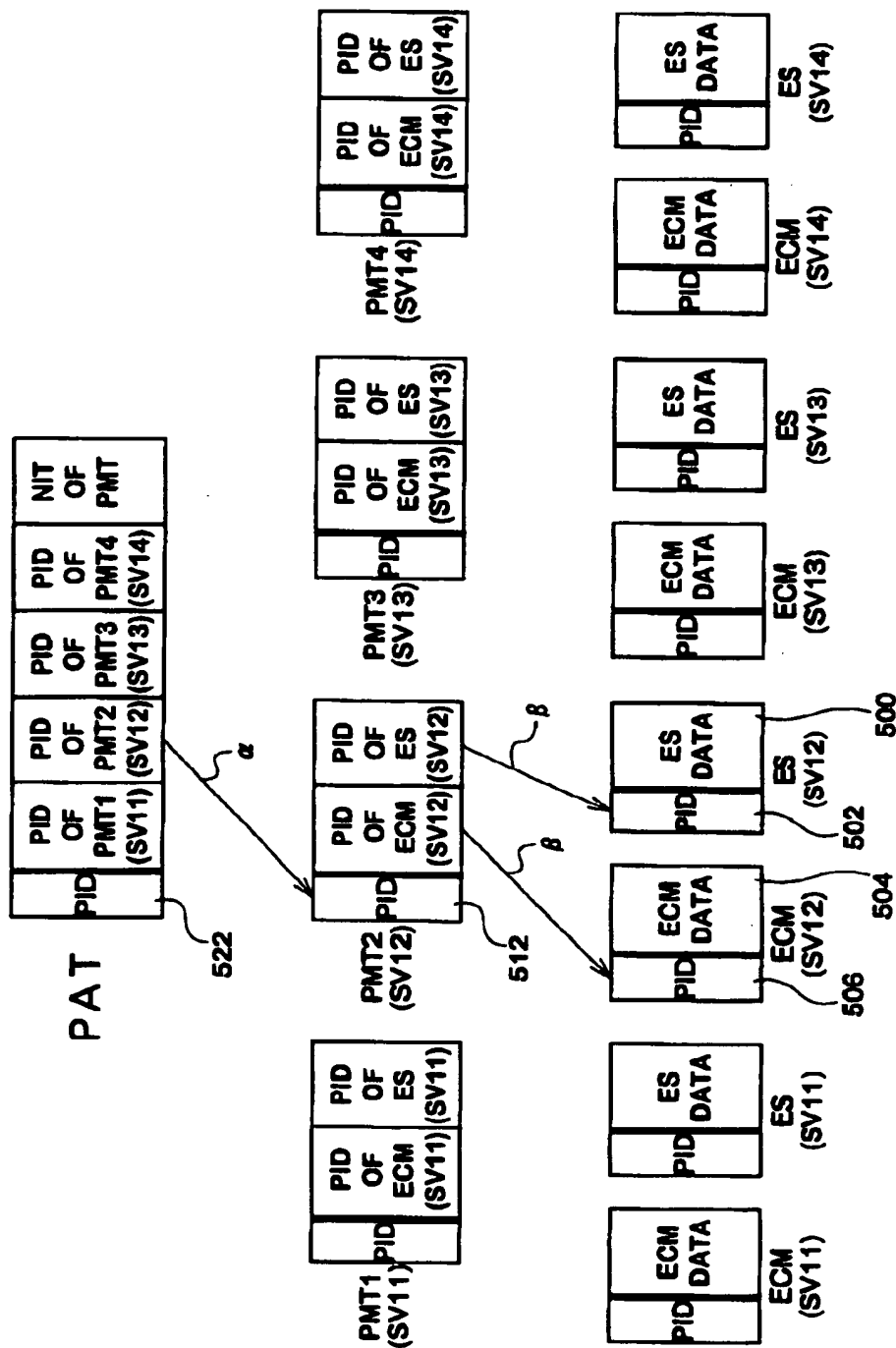


FIG.6

N I T

T S	TRANSMISSION PARAMETERS	LIST OF SERVICES
T S 1	f 1	S V 1 1, S V 1 2, S V 1 3, S V 1 4
T S 2	f 2	S V 2 1, S V 2 2, S V 2 3, S V 2 4
⋮	⋮	⋮

004790-89E6560

0593368-061400

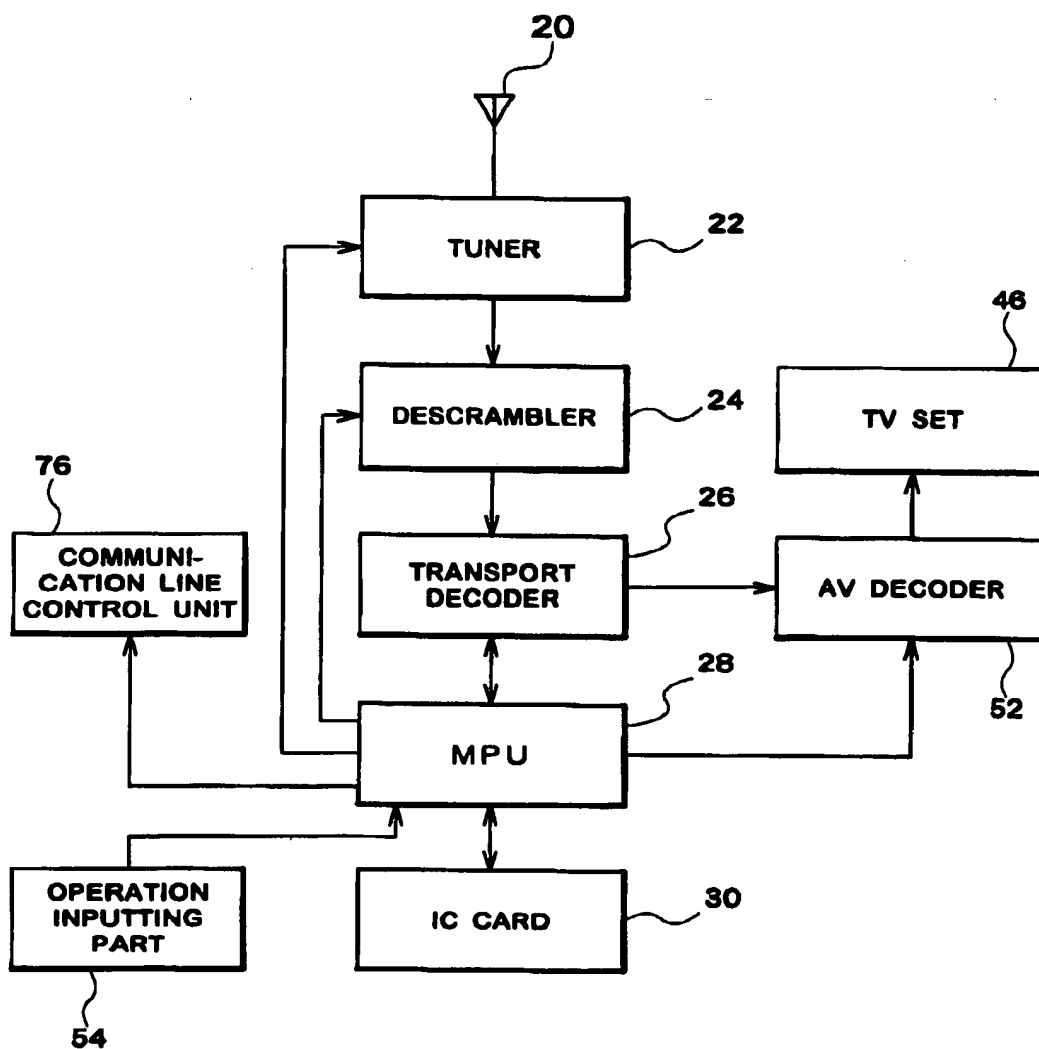
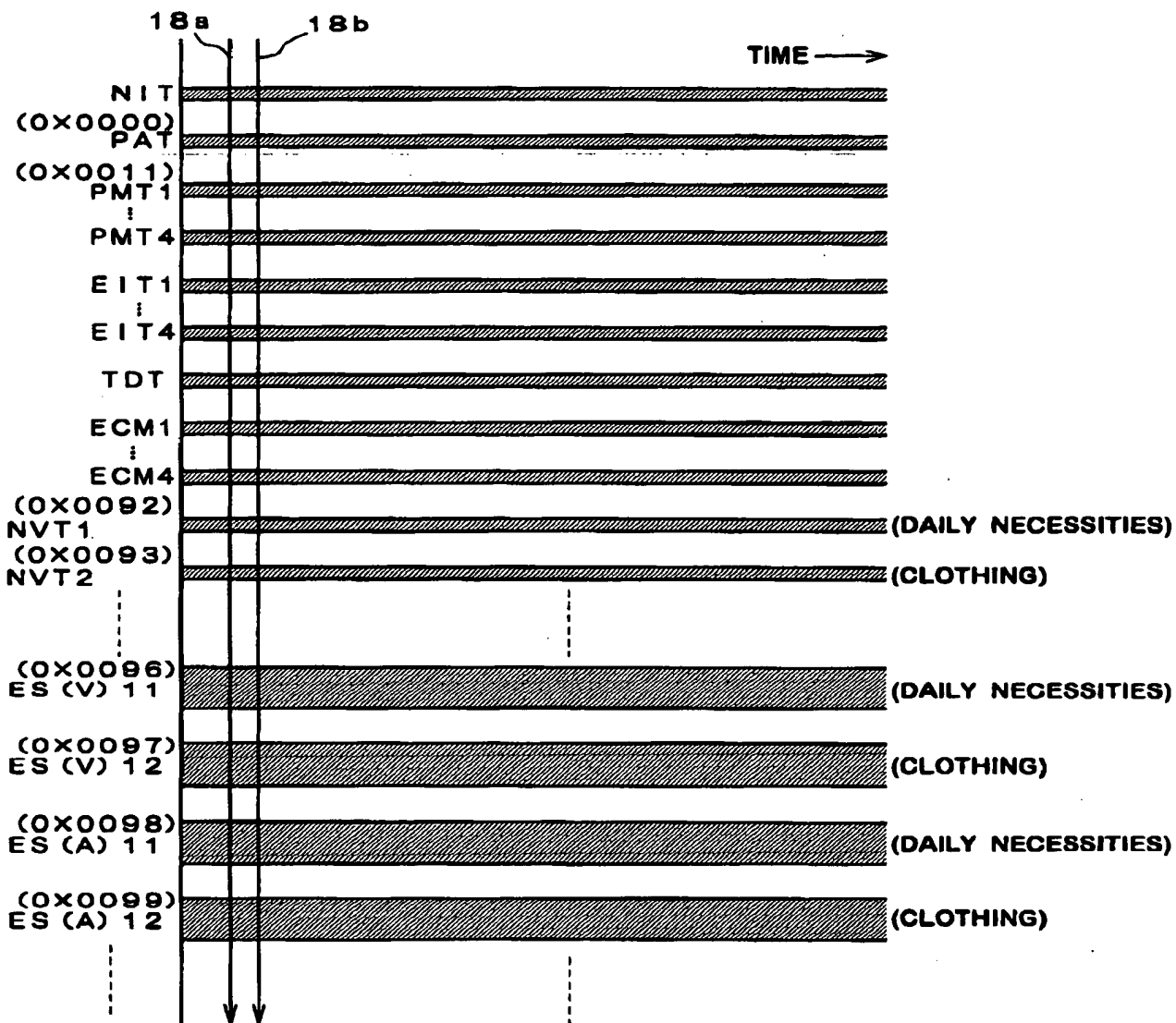
FIG. 7**LAYOUT OF RECEIVER**

FIG.8



004T90" 89E6560

FIG.9**PMT 1 (PID=0X0011)****PACKET ID CORRESPONDENCE:**

	PIDs OF ES	PIDs OF ECM	
VIDEO	0X0096	0X0082	ES (V) 11
	0X0097	0X0082	ES (V) 12
AUDIO	0X0098	0X0082	ES (A) 11
	0X0099	0X0082	ES (A) 12
NAVIGATION DATA	0X0092	0X0082	NVT1
	0X0093	0X0082	NVT2

ENTRY CONTENT:

VIDEO	AUDIO	NAVIGATION DATA
0X0096	0X0098	0X0092

ES (V) 11 ES (A) 11 NVT1

FIG.10**PAT (PID=0X0000)**

SERVICES	PID OF PMT
SV11	0X0011
SV12	0X0012
SV13	0X0013
SV14	0X0014

004T90" B9EE6560 09593368-061400

FIG.11

NAVIGATION DATA NTV1

OBJECT TABLE

INDEX	TYPE	X	Y	HANDLER	NORMAL CONDITION	FOCUS CONDITION
0	BUTTON	500	200	0	0	1
1	BUTTON	500	400	1	2	3
2	BUTTON	500	600	2	4	5

HYPER LINK TABLE

INDEX	VIDEO	AUDIO	NAVIGATION DATA
0	0X0096	0X0098	0X0092
1	0X0097	0X0099	0X0093

HANDLER DEFINITION TABLE

INDEX	INSTRUCTION (SCRIPT)
0	send_string(index0, index2)
1	send_string(index1, index2)
2	goto_contents(index1)

BITMAP TABLE

INDEX	DATA(BITMAP DATA)
0	ORDER TO OSAKA CENTER
1	ORDER TO OSAKA CENTER
2	ORDER TO TOKYO CENTER
3	ORDER TO TOKYO CENTER
4	GO TO CLOTHING STORE
5	GO TO CLOTHING STORE

CHARACTER SEQUENCE TABLE

INDEX	CHARACTER SEQUENCE
0	06-6368-XXXX
1	03-1234-XXXX
2	PRODUCT CODE: A-395

FIG.12

NAVIGATION DATA NTV2

OBJECT TABLE

INDEX	TYPE	X	Y	HANDLER	NORMAL CONDITION	FOCUS CONDITION
0	BUTTON	500	200	0	0	1
1	BUTTON	500	400	1	2	3
2	BUTTON	500	600	2	4	5

HYPER LINK TABLE

INDEX	VIDEO	AUDIO	NAVIGATION DATA
0	0X0096	0X0098	0X0092
1	0X0097	0X0099	0X0093

HANDLER DEFINITION TABLE

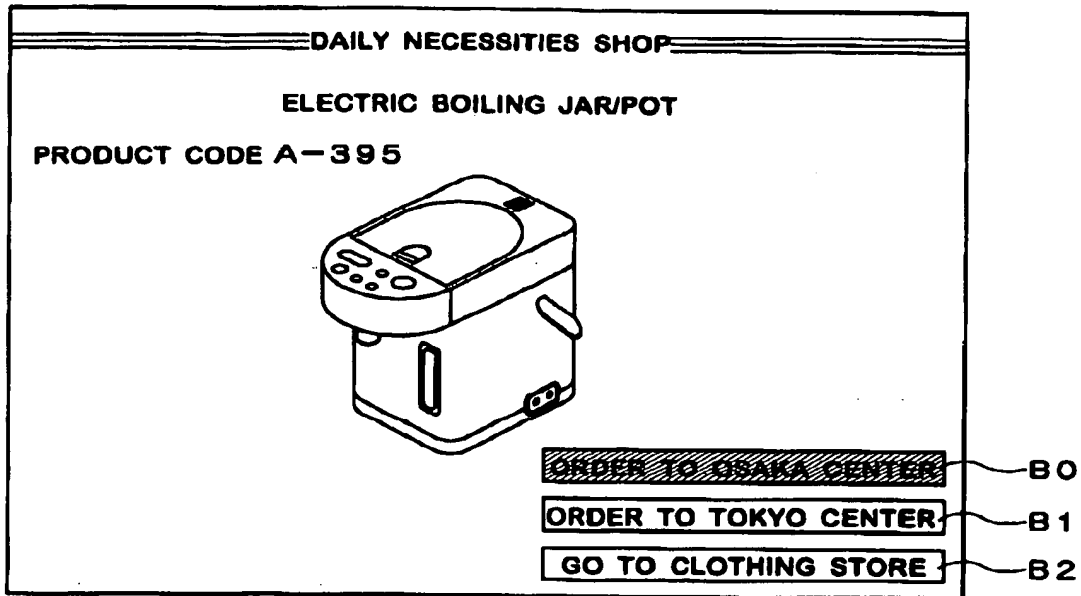
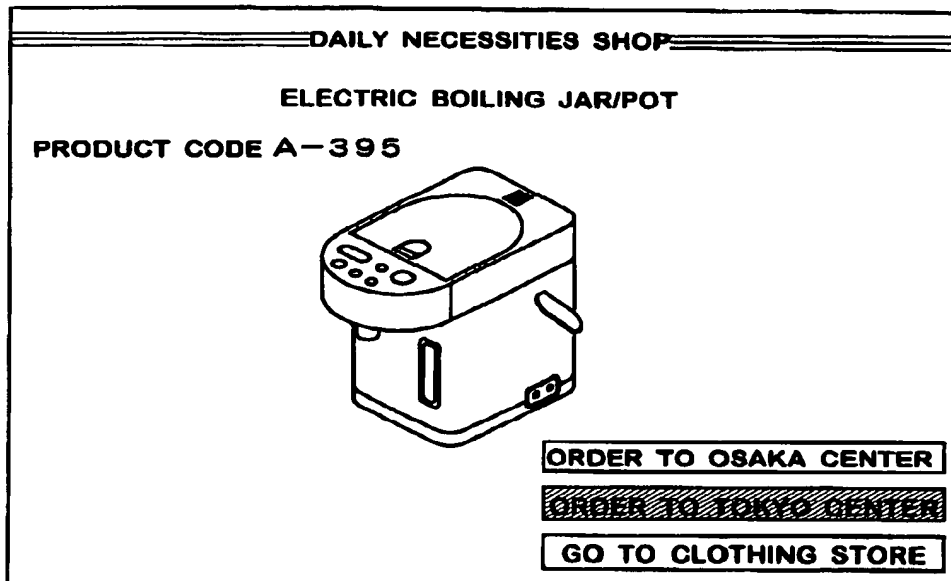
INDEX	INSTRUCTION (SCRIPT)
0	
1	send_string(index0, index2)
2	goto_contents(index0)

BITMAP TABLE

INDEX	DATA(BITMAP DATA)
0	ORDER TO OSAKA CENTER
1	ORDER TO OSAKA CENTER
2	ORDER TO TOKYO CENTER
3	ORDER TO TOKYO CENTER
4	GO TO CLOTHING STORE
5	GO TO CLOTHING STORE

CHARACTER SEQUENCE TABLE

INDEX	CHARACTER SEQUENCE
0	06-6368-XXXX
1	03-1234-XXXX
2	PRODUCT CODE: B-133

FIG.13**FIG.14**

004T30" 89E26560

FIG.17

AN EXAMPLE OF A SERVICE IN WHICH DISPLAYED
IMAGES ARE CHANGED BY PASSAGE OF TIME

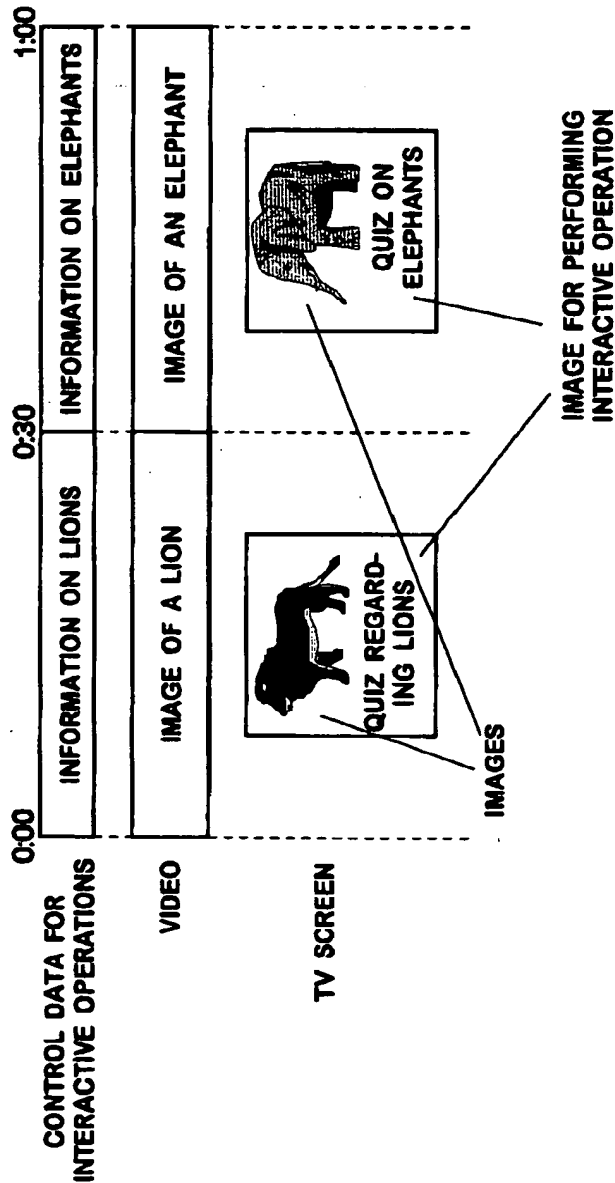


FIG.18

AN EXAMPLE OF ILLUSTRATING INCONSISTENCIES
OCCUR BETWEEN SPECIAL PLAYBACK AND
AN IMAGE FOR PERFORMING OPERATIONS

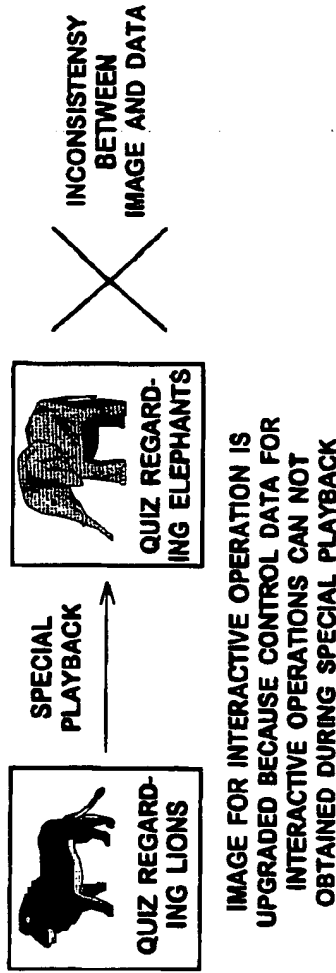


FIG.19
OVERALL LAYOUT OF RECORDING/REPRODUCTION APPARATUS

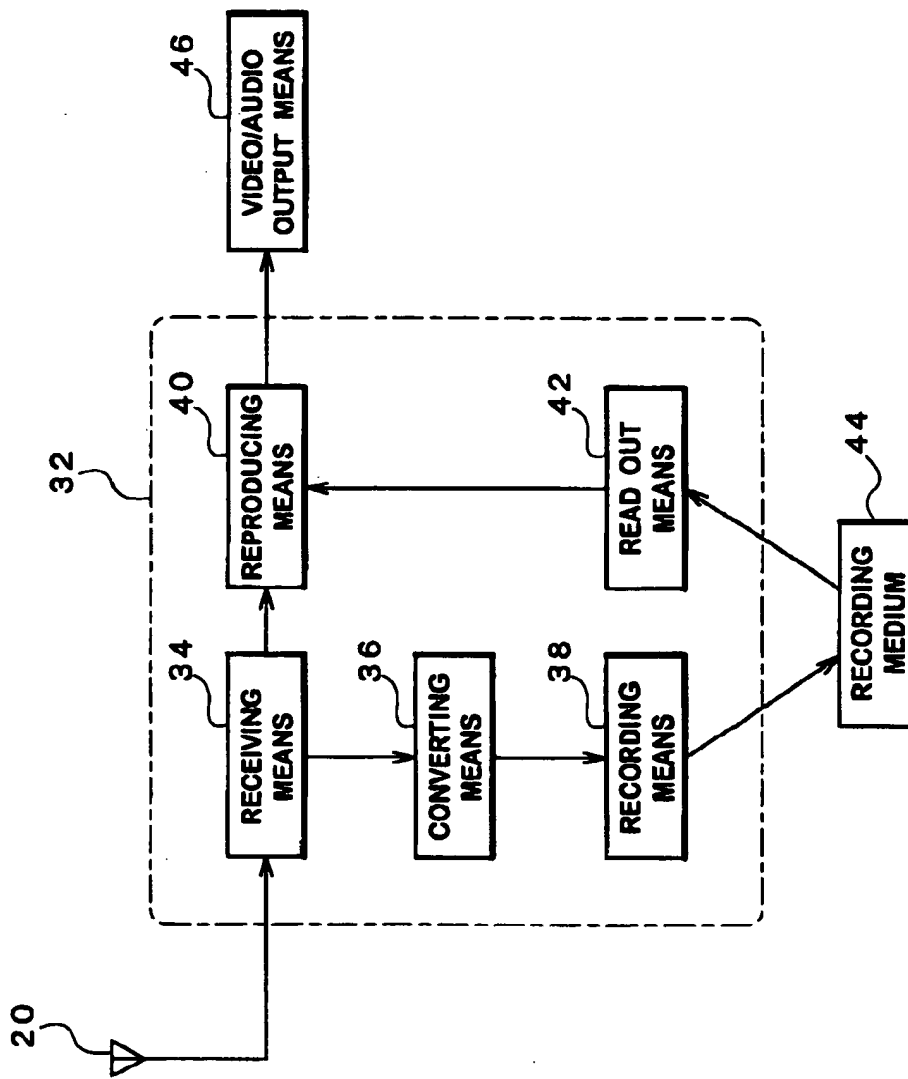


FIG.20

BLOCK DIAGRAM OF RECORDING/REPRODUCTION APPARATUS

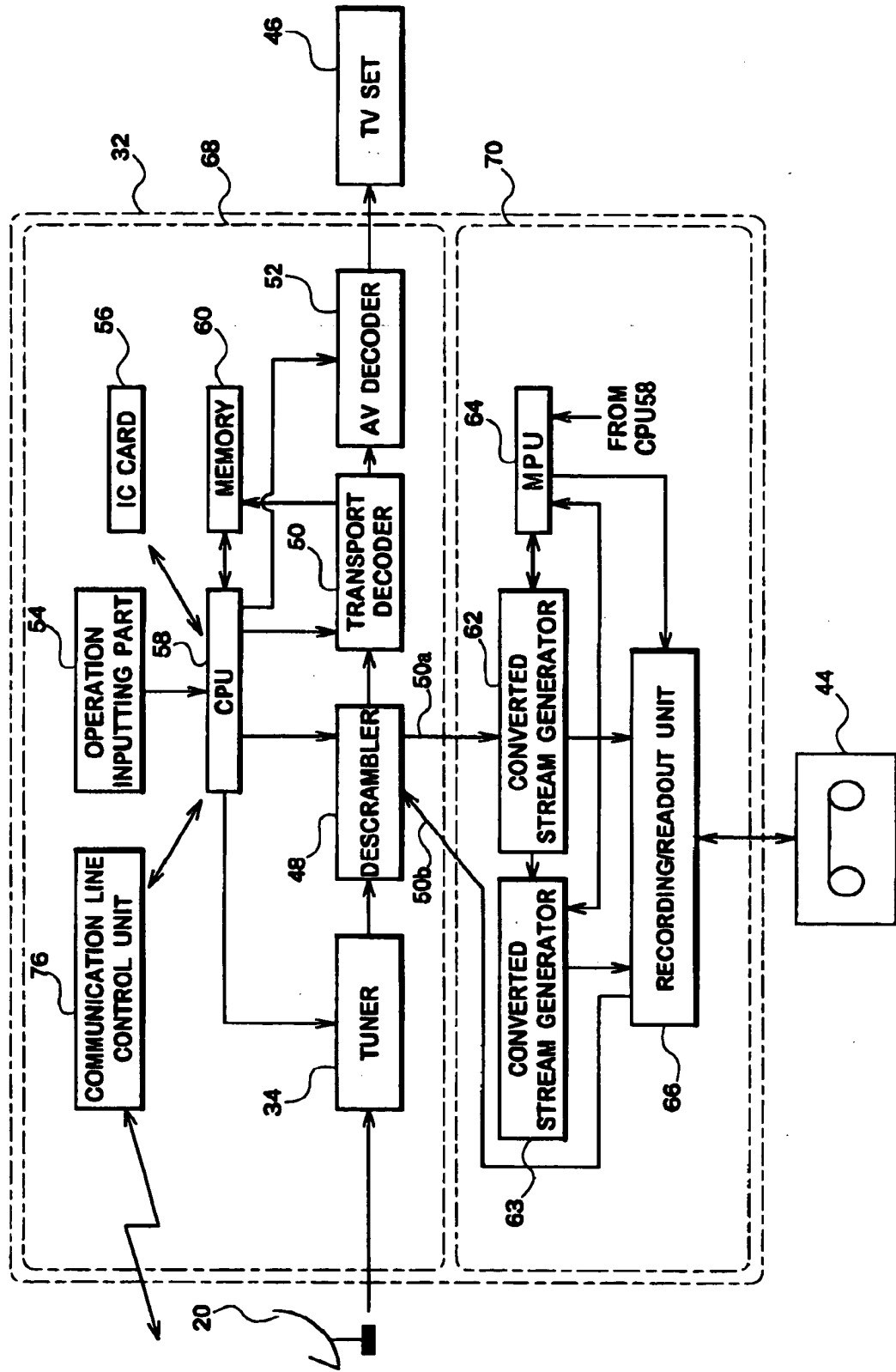
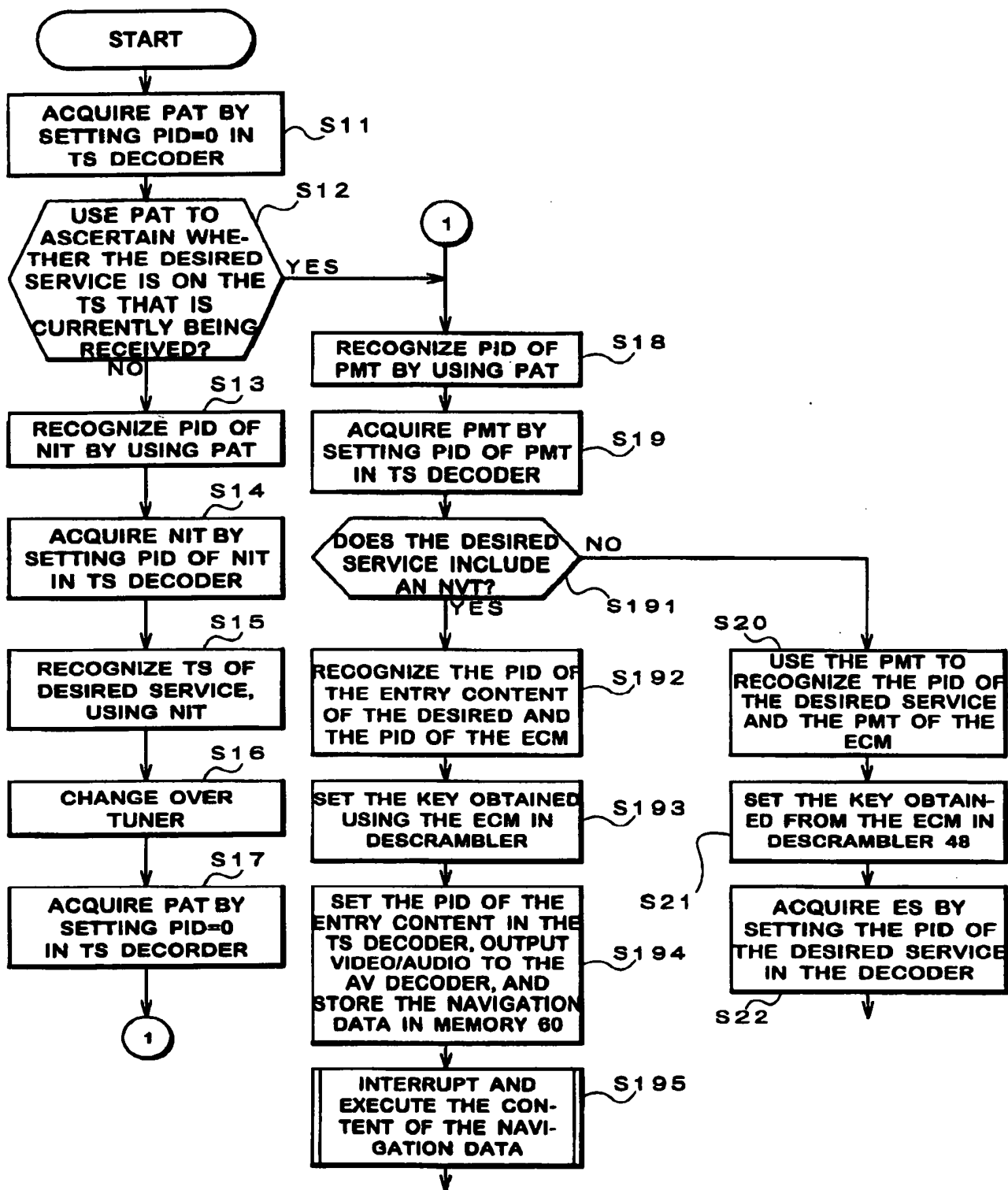


FIG.21

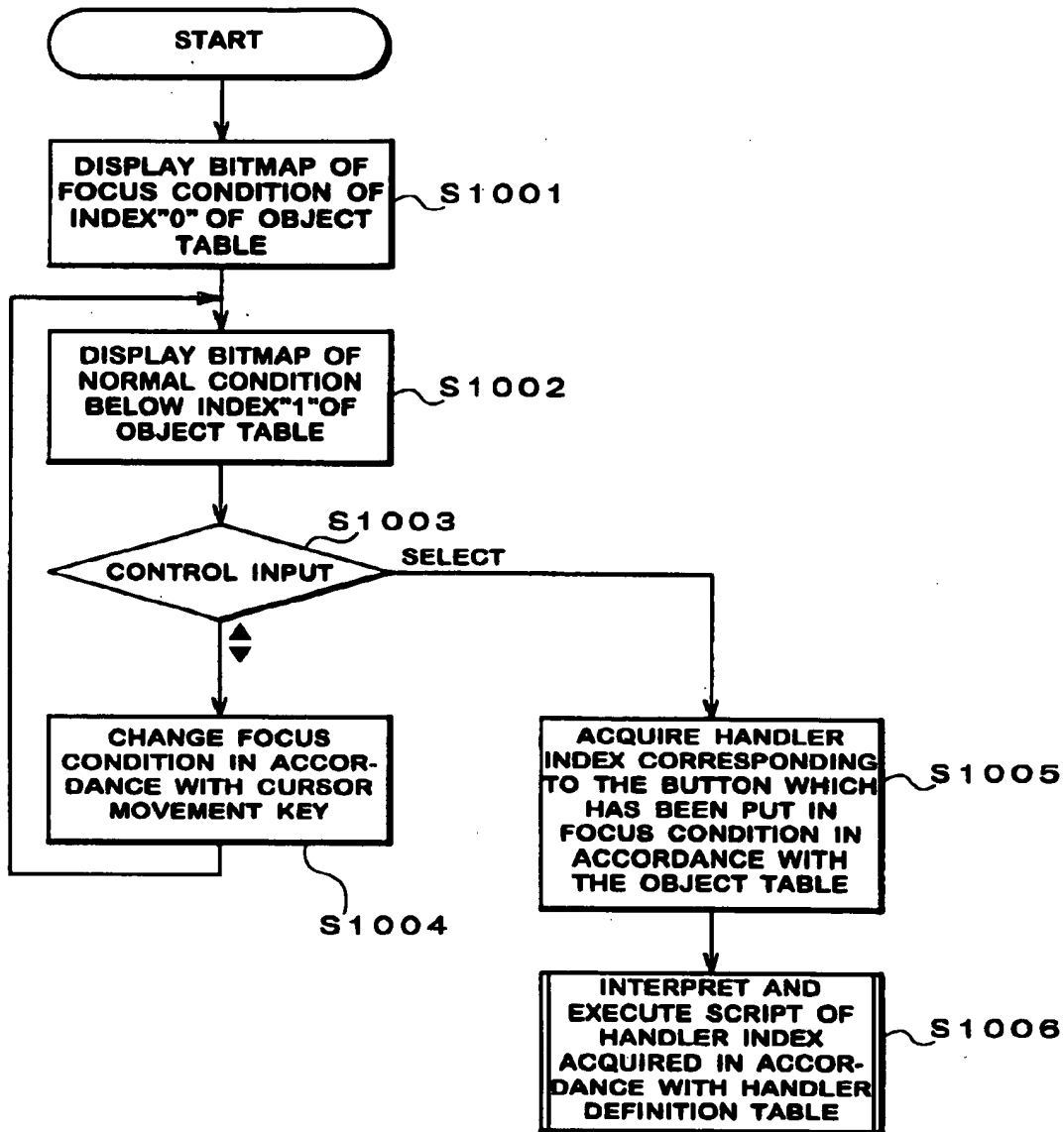
RECEIVE MODE



00593366-061400

FIG.22

**FLOW CHART OF PROGRAM THAT INTERPRETS
AND EXECUTES THE NAVIGATION DATA**



004T90" 89E6560

FIG.23

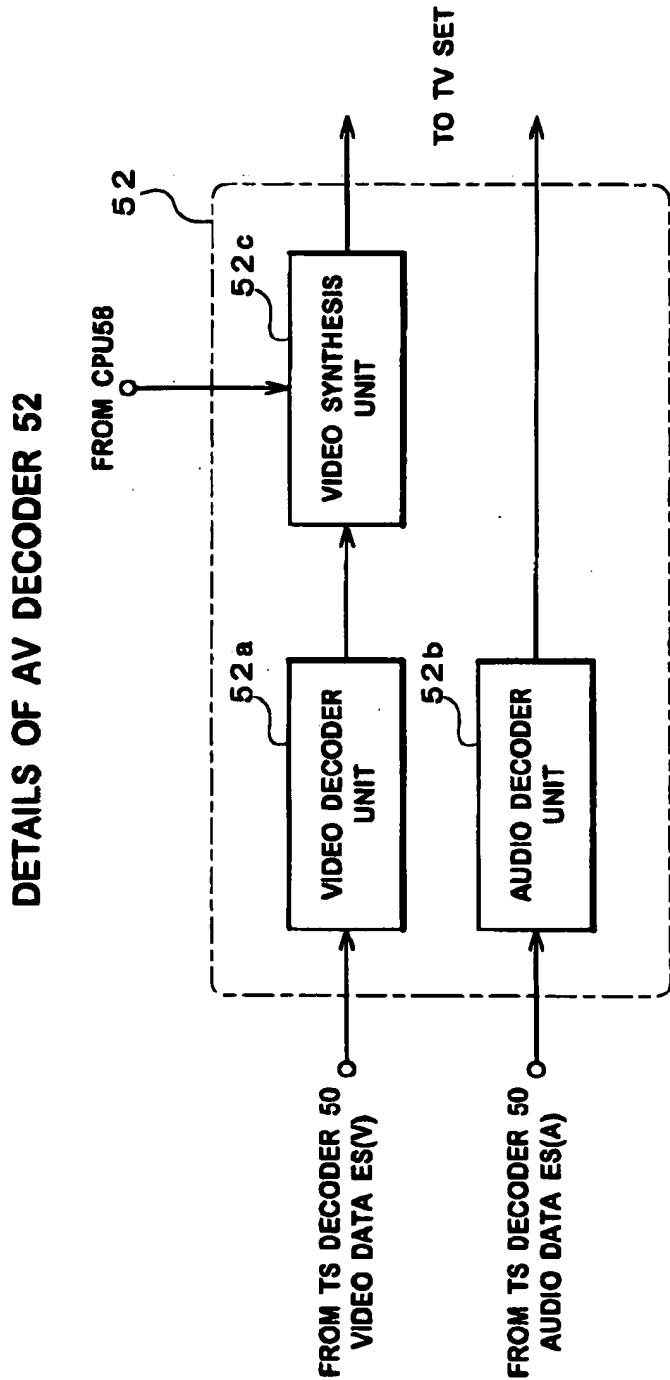
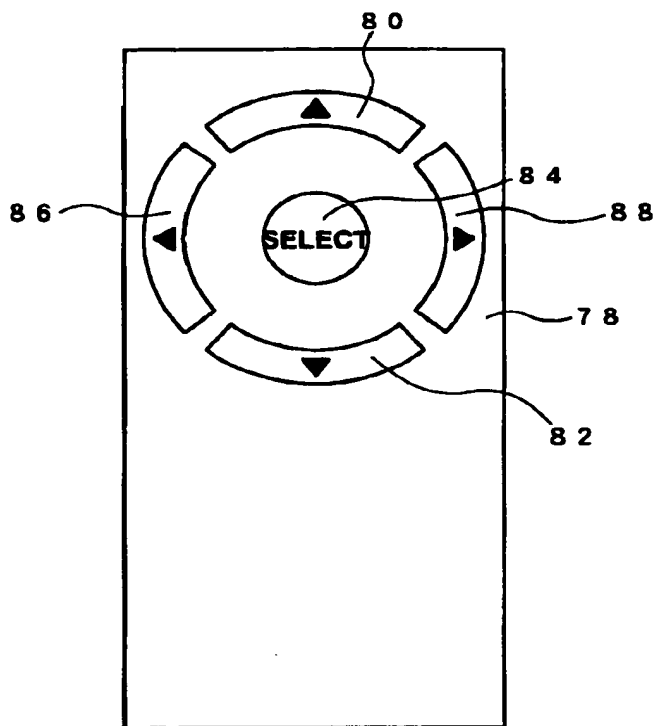


FIG.24

**EXTERNAL APPEARANCE OF
REMOTE CONTROLLER**



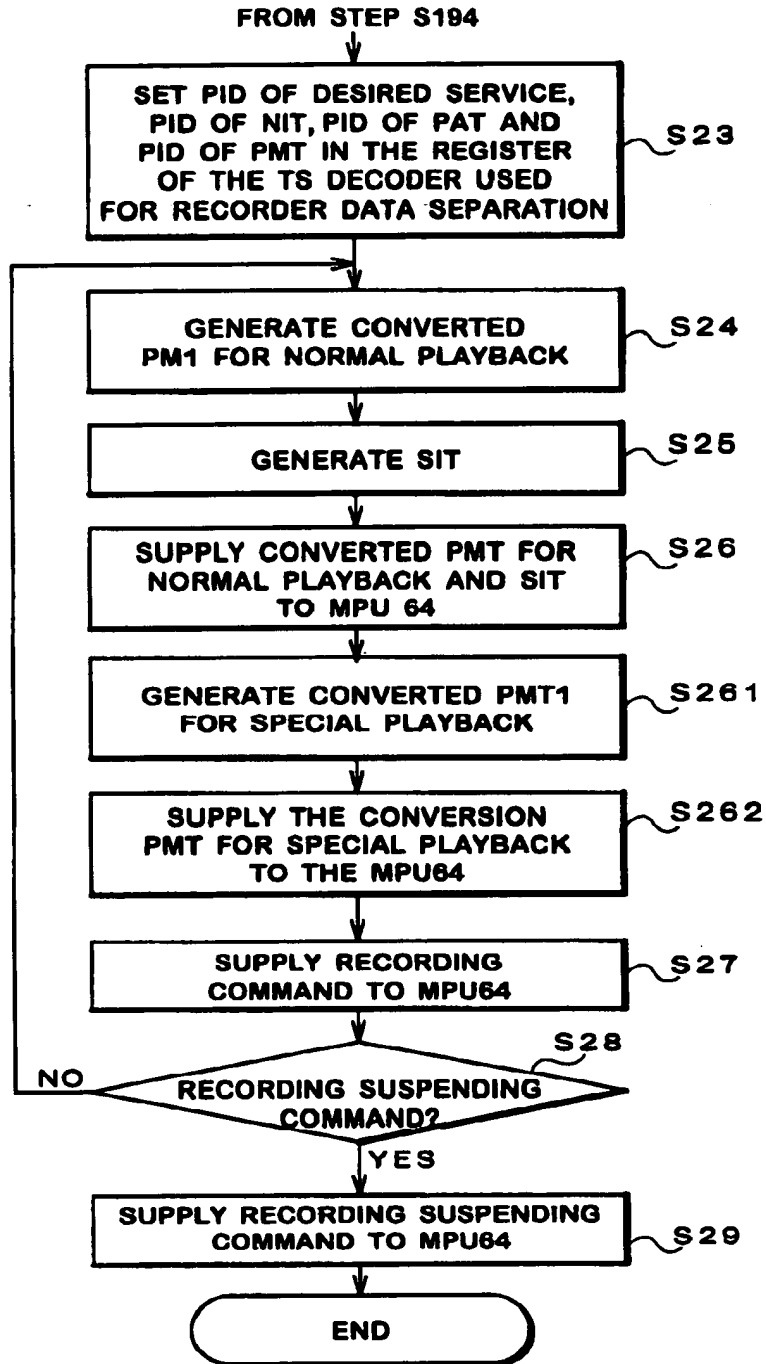
004730" 89E26560

004T50" 39E560

FIG.25

	DATE AND TIME	TELEPHONE NUMBER	RESULT	MODE
1	1998/8/1	06-123-XXXX	O	RECEPTION SUCCESS
2	1998/8/10	03-9876-XXXX	O	RECEPTION SUCCESS
3	1998/8/25	052-111-XXXX	X	RECEPTION FAIL

ONLINE LOG

FIG.26**RECORDING MODE**

004T90"09E5560

FIG.27

**CONVERTED PMT
(PID=0x0011)**

PACKET ID CORRESPONDENCE:

	PIDs OF ES	
VIDEO	0x0096	ES (V) 11
	0x0097	ES (V) 12
AUDIO	0x0098	ES (A) 11
	0x0099	ES (A) 12
NAVIGATION DATA	0x0092	NVT1
	0x0093	NVT2

ENTRY CONTENT:

VIDEO	AUDIO	NAVIGATION DATA
0x0096	0x0098	0x0092

ES (V) 11 ES (A) 11 NVT1

FIG.28

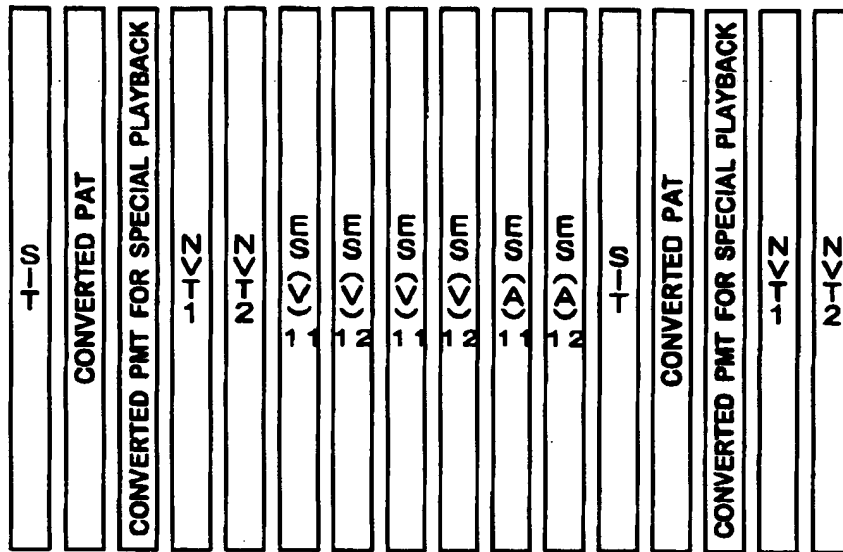
**CONVERTED PAT
(PID=0x0000)**

SERVICE	PID OF CONVERTED PMT	PID OF SIT
SV11	0x0011	0x0018

004T90"89E6560

FIG.29

**DATA STREAM FOR NORMAL PLAYBACK
RECORDED ON RECORDING MEDIUM**



004750" 89E6560

FIG.30

CONVERTED PMT FOR SPECIAL PLAYBACK
(PID=0x0011)

	PIDs OF ES	
VIDEO	0x0096	ES (V) 11
	0x0097	ES (V) 12

FIG.31

DATA STREAM FOR SPECIAL PLAYBACK
RECORDED ON

TS	CONVERTED PAT	CONVERTED PMT FOR SPECIAL PLAYBACK	11 (V) SM	12 (V) SM	11 (V) SM	12 (V) SM	TS	CONVERTED PAT	CONVERTED PMT FOR SPECIAL PLAYBACK	11 (V) SM	12 (V) SM	
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00-47-50" 89EE6560

004T90" 09EE6560

FIG.32

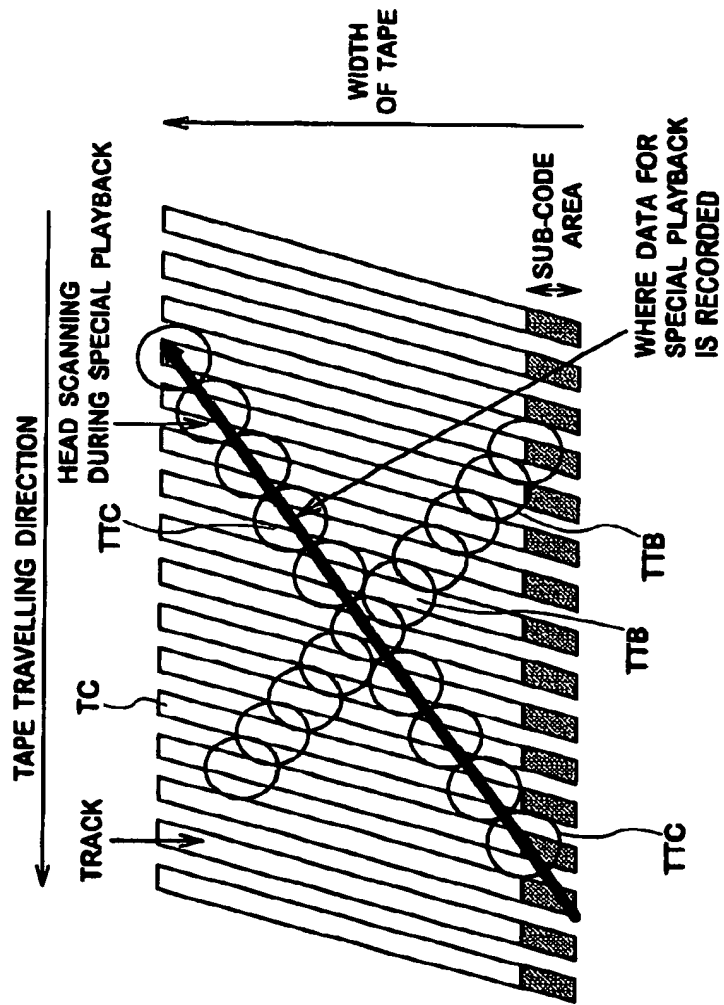
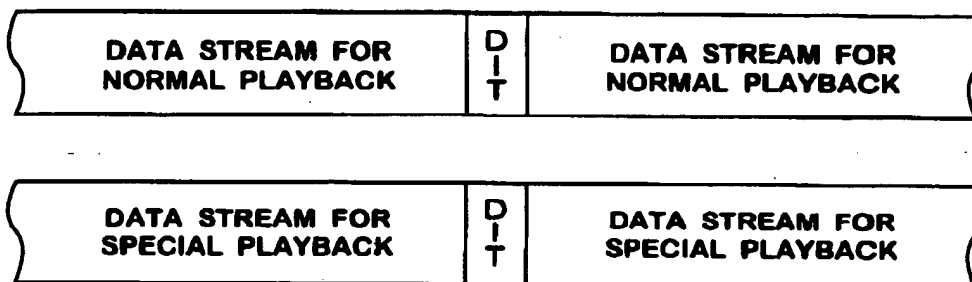


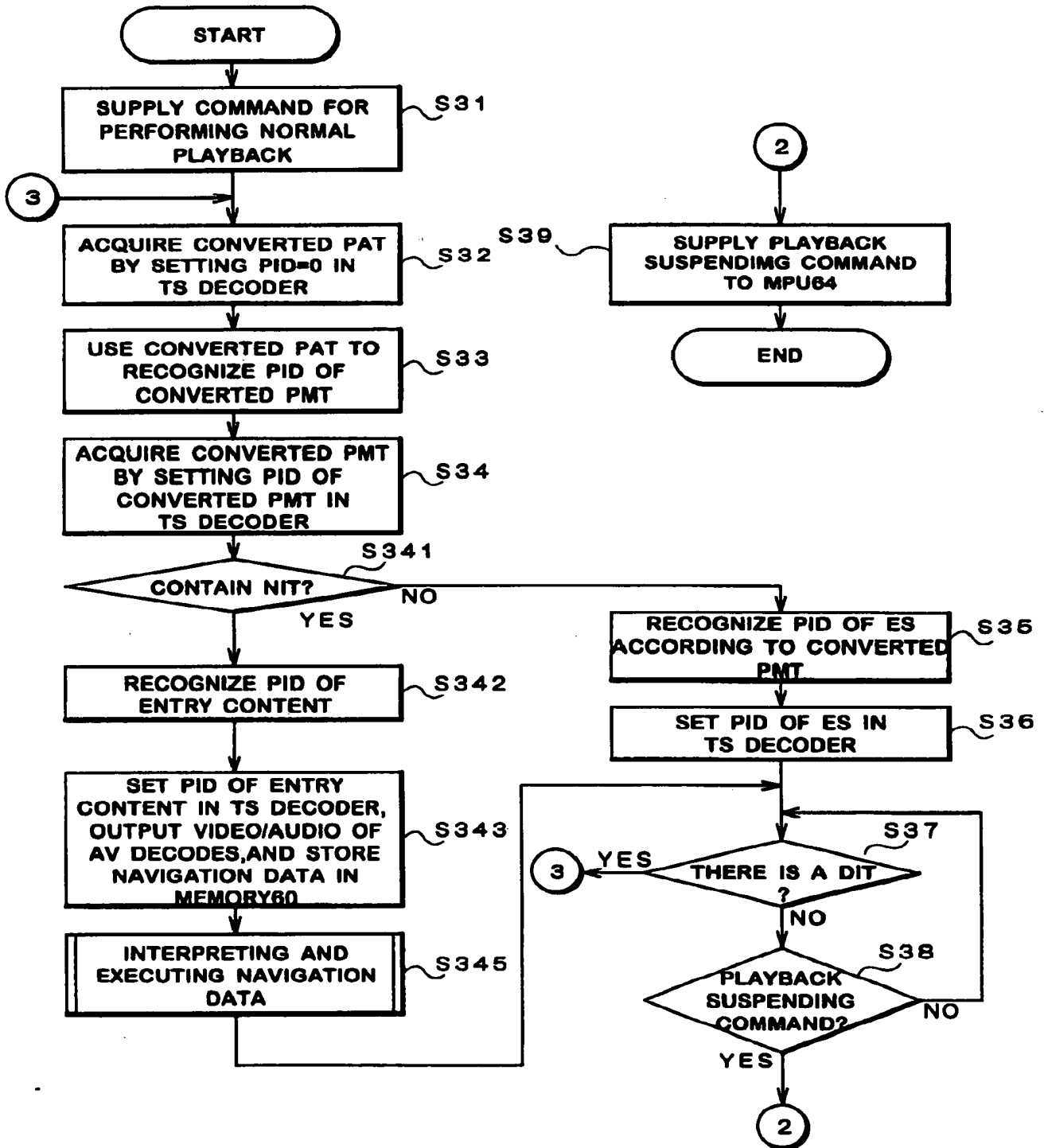
FIG.33



004790"89E6560

FIG.34

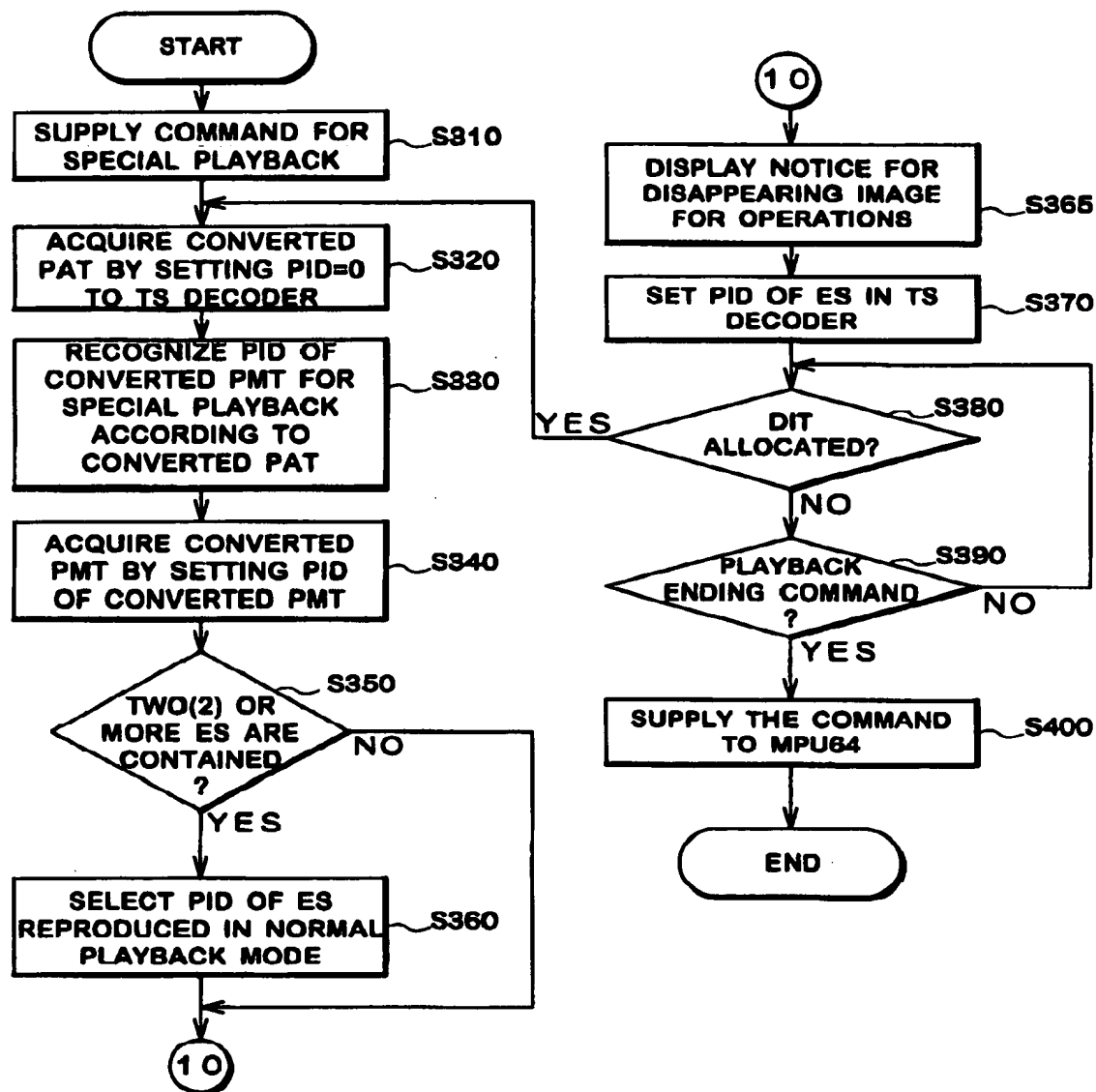
NORMAL PLAYBACK MODE



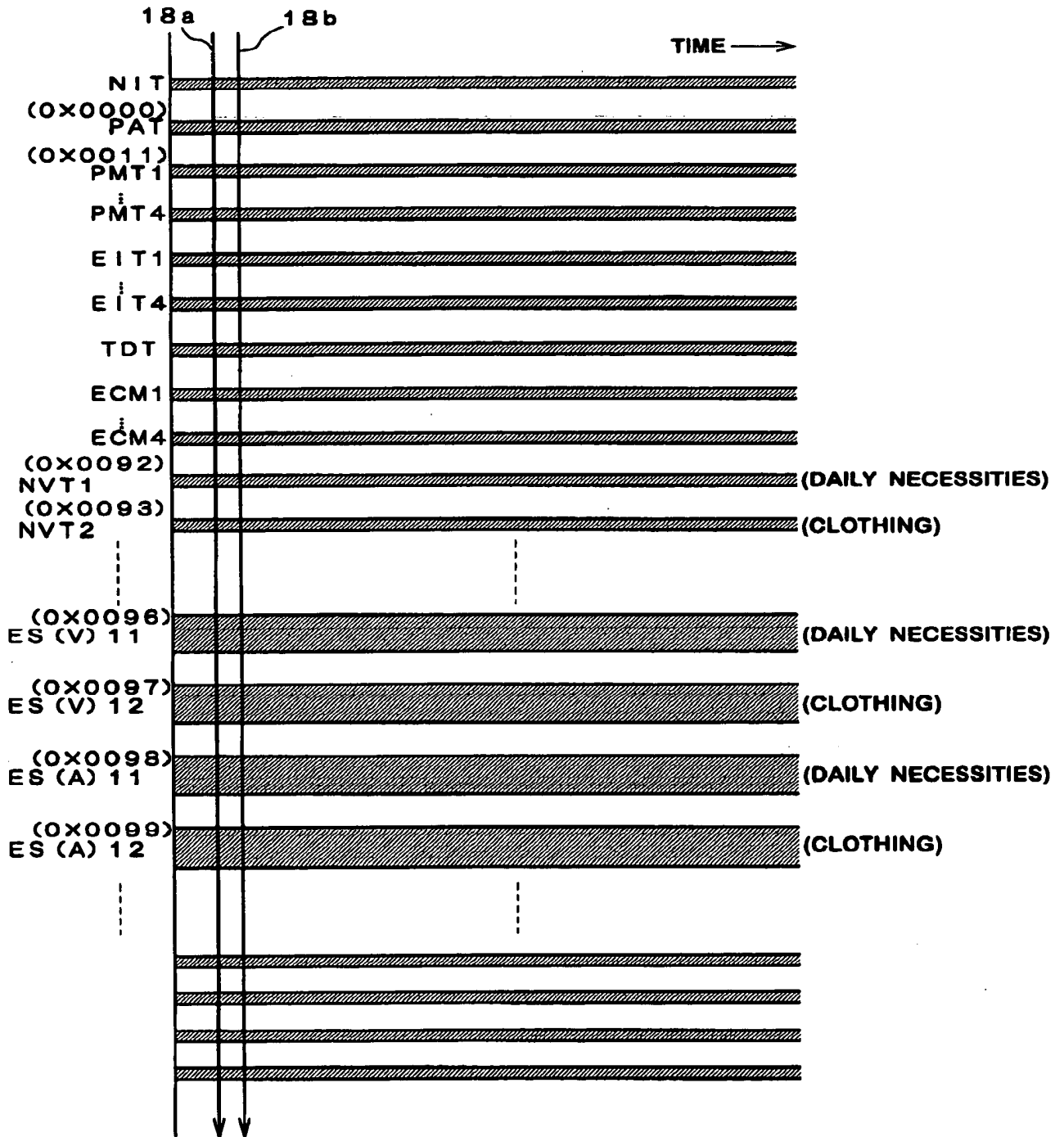
004T90"83E6560

FIG.35

SPECIAL PLAYBACK MODE



004790-89E6560

FIG.38**TRANSPORT STREAM CONTAINING
SPECIAL STREAM**

004T90"89E6560

FIG.39

PMT1 (PID=0X0011)

PACKET ID CORRESPONDENCE:

	PIDs OF ES	PIDs OF ECM	PIDs OF ES FOR SPECIAL PLAYBACK	
VIDEO	0X0096	0X0082	0X0106	ES (V) 11
	0X0097	0X0082	0X0107	ES (V) 12
AUDIO	0X0098	0X0082	—	ES (A) 11
	0X0099	0X0082	—	ES (A) 12
NAVIGATION DATA	0X0092	0X0082	0X0102	NVT1
	0X0093	0X0082	0X0103	NVT2

ENTRY CONTENT:

VIDEO	AUDIO	NAVIGATION DATA
0X0096	0X0098	0X0092

ES (V) 11 ES (A) 11 NVT1

FIG.40

BLOCK DIAGRAM OF RECORDING/REPRODUCTION APPARATUS

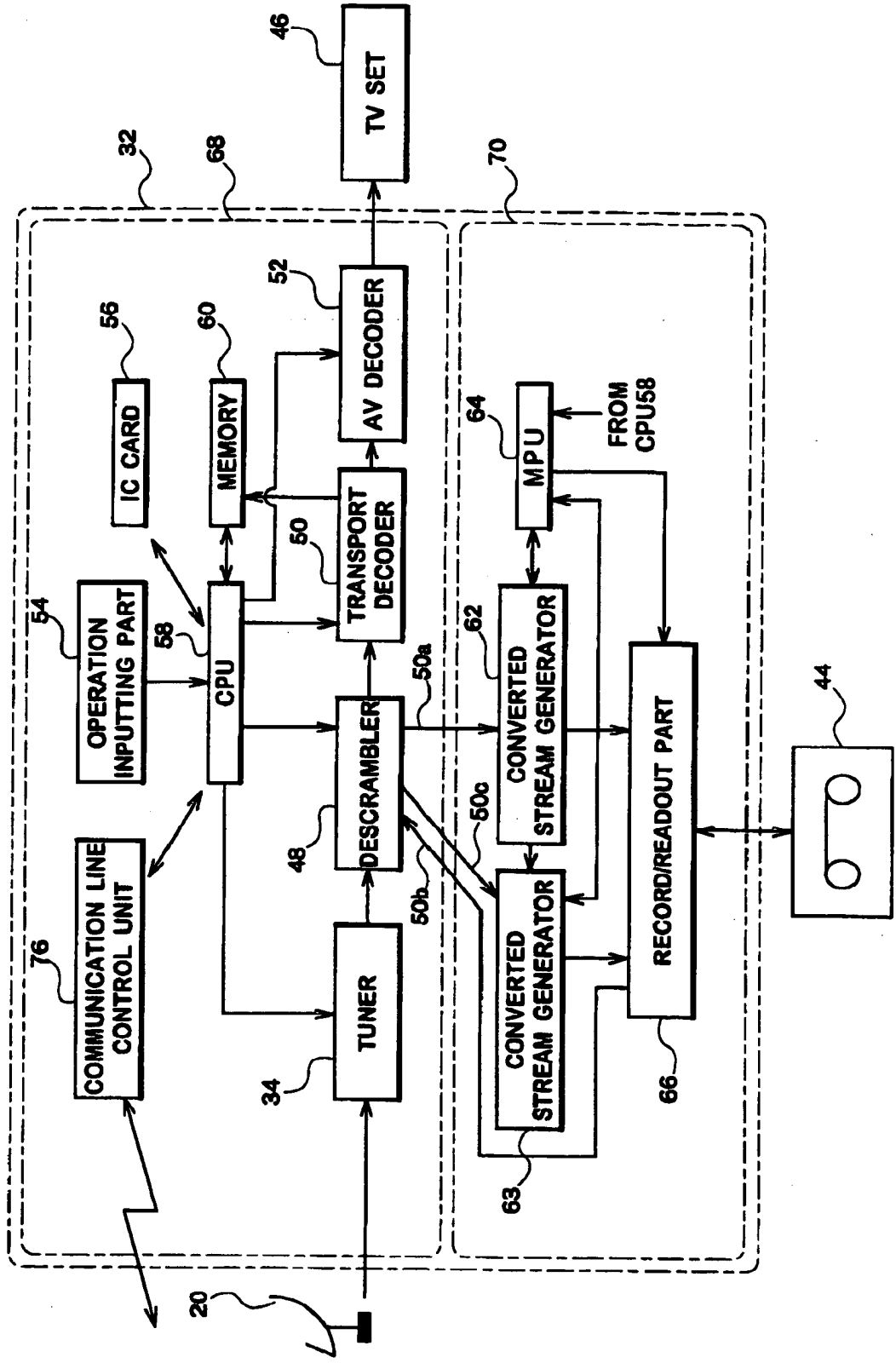


FIG.41

**CONVERTED PMT FOR SPECIAL PLAYBACK
(PID=0x0011)**

	PIDs OF ES
VIDEO	0x0096
	0x0097
NAVIGATION DATA	0x0092
	0x0093

FIG.42

DATA STREAM FOR SPECIAL PLAYBACK

S-T	CONVERTED PAT	CONVERTED PMT FOR SPECIAL PLAYBACK	1 1 (\angle) SM	1 2 (\angle) SM	1 1 (\angle) SM	1 2 (\angle) SM	1 Z-T	2 Z-T	S-T	-----
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004T50"89E25560

FIG.43

BLOCK DIAGRAM OF RECORDING/REPRODUCTION APPARATUS

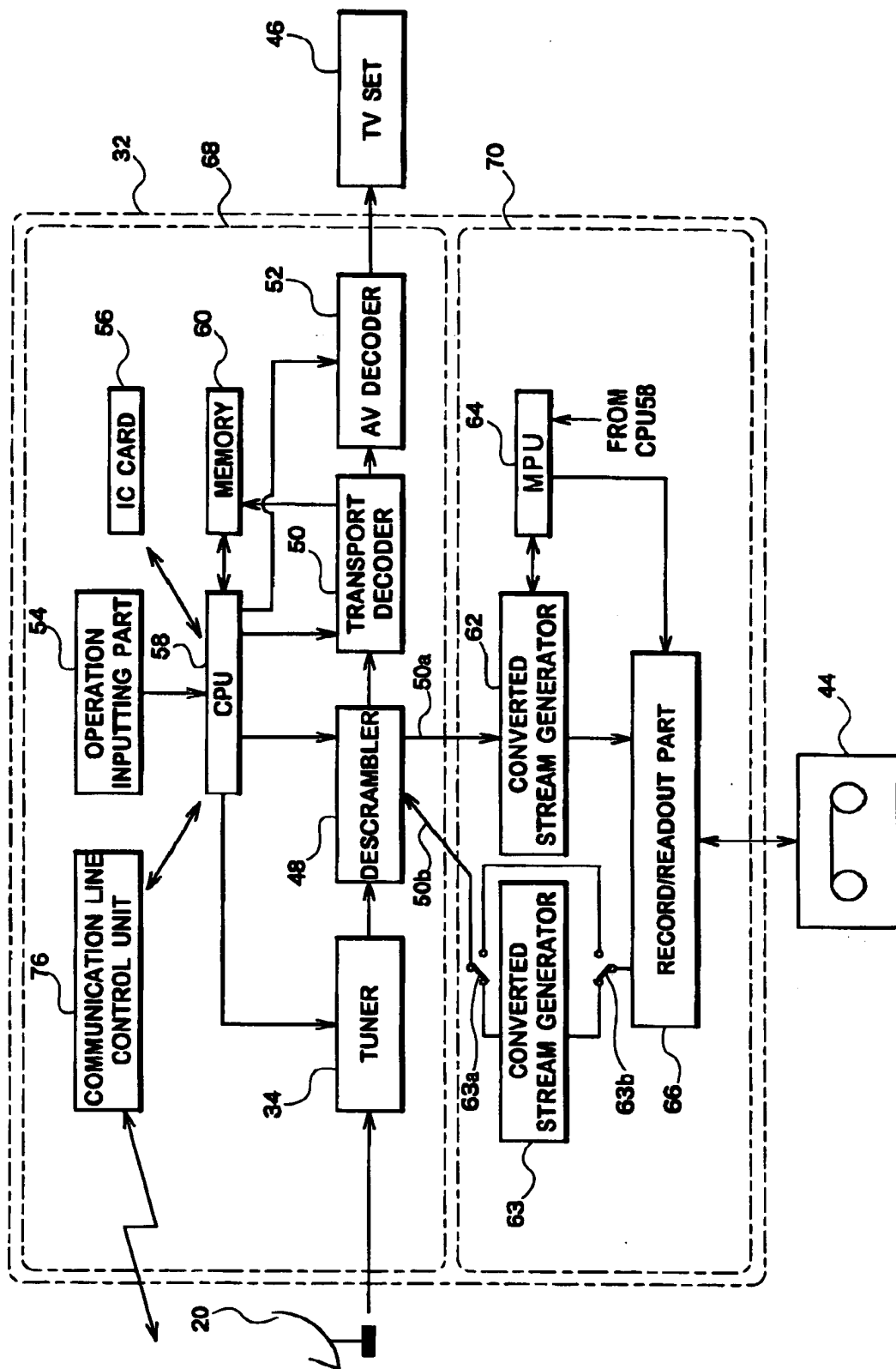
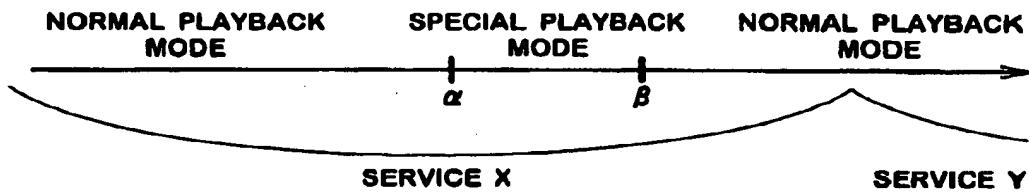
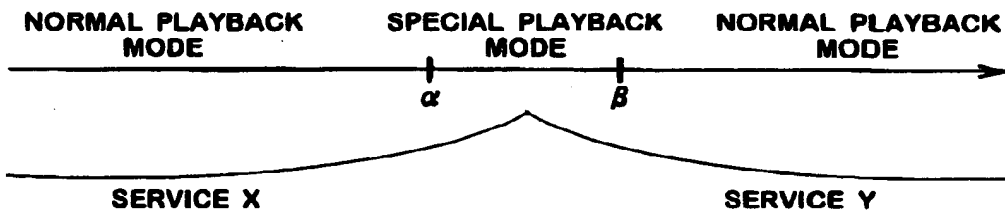
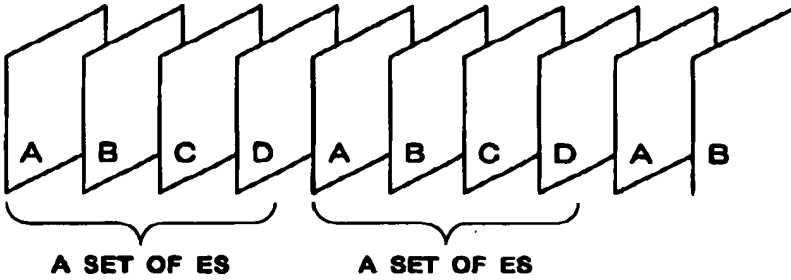


FIG.44A**FIG.44B****FIG.44C**

004T90" B9E6560

FIG.45

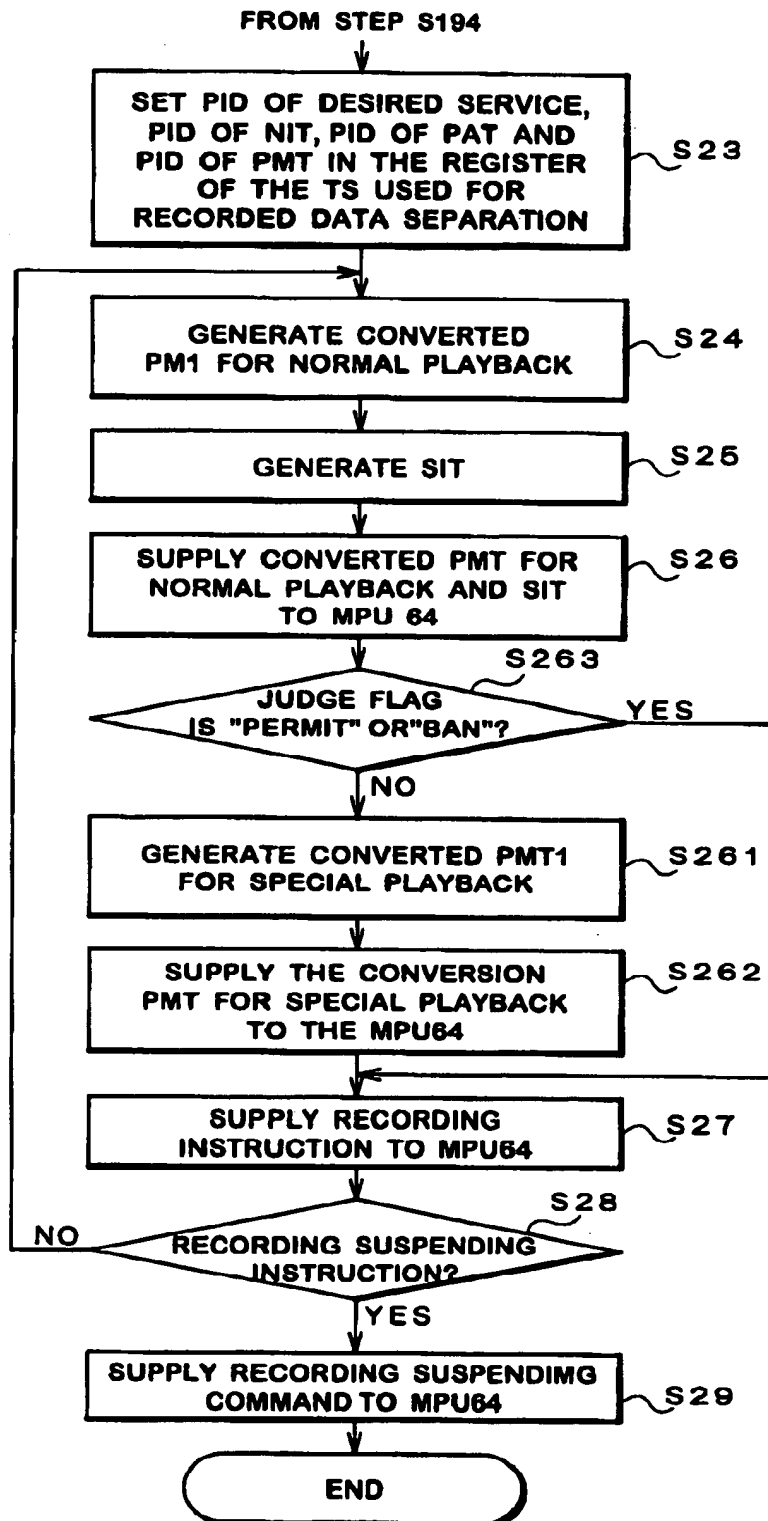
ES FOR STILL IMAGES



004790" 89E6560

FIG.46

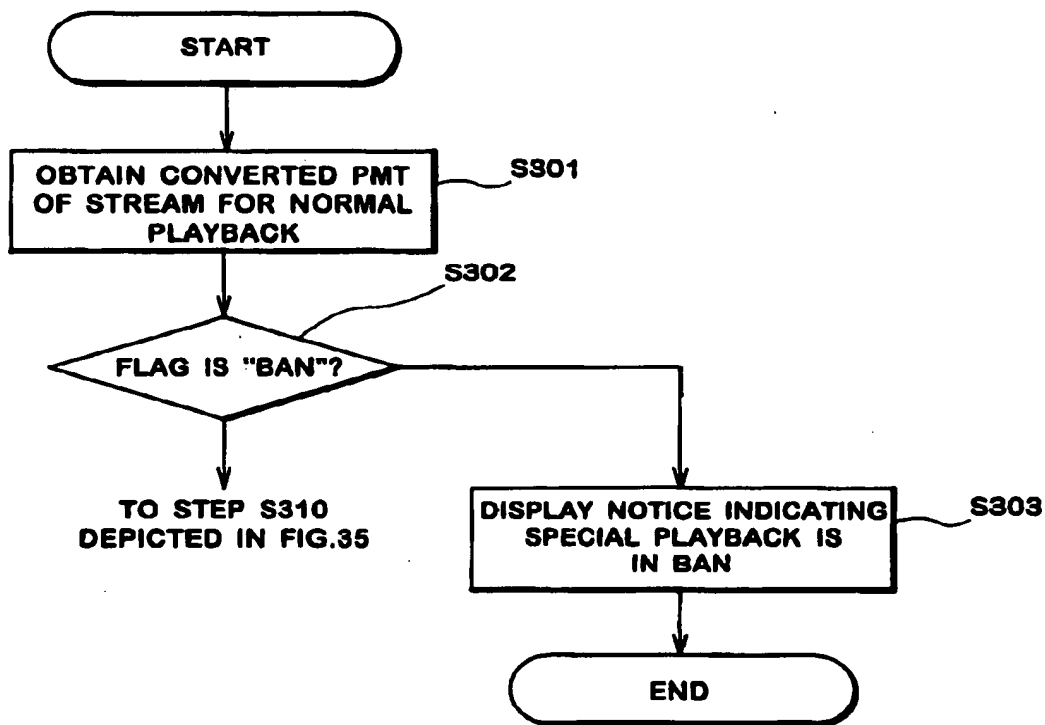
RECORD MODE



00593368-061400

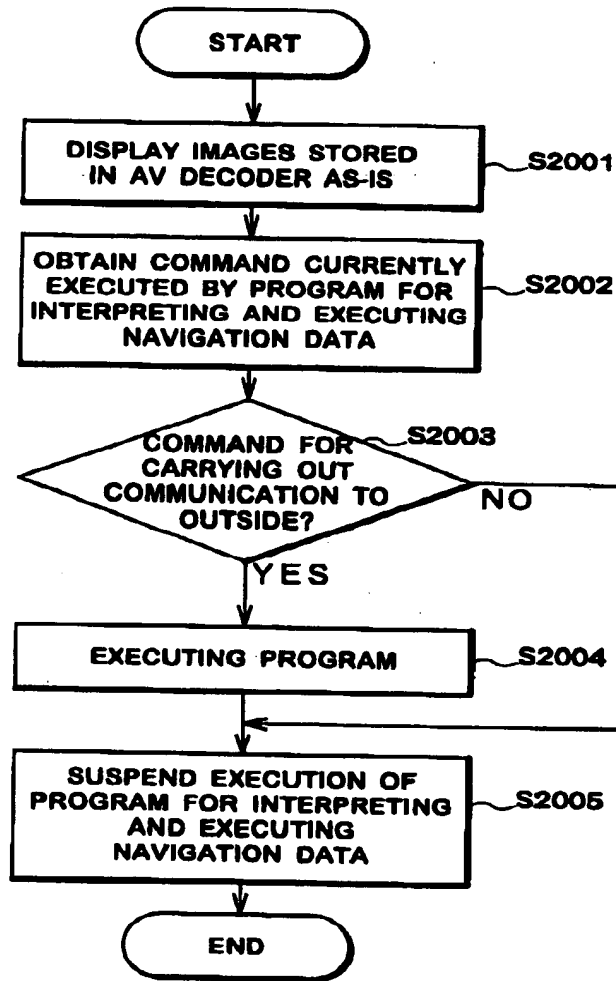
FIG.47

SPECIAL PLAYBACK MODE



004T30"89E6560

FIG.48



004T30" B3E26560